INTERNATIONAL SEARCH REPORT

International application No.

	·	PCT/JP.	2004/011048
A. CLASSIFIC	ATION OF SUBJECT MATTER		
Int.Cl'	F04B17/04		
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According to Inte	rnational Patent Classification (IPC) or to both national	classification and IPC	
B. FIELDS SEA	ARCHED		
Minimum docum	contation searched (classification system followed by cla	ssification symbols)	
Int.Cl'	F04B17/04, H02K33/00		
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	earched other than minimum documentation to the exter Shinan Koho 1922–1996 Jit	nt that such documents are included in the tsuyo Shinan Toroku Koho	1996–2004
Kokai Ji	1994-2004		
Electronic data b	tsuyo Shinan Koho 1971–2004 To: ase consulted during the international search (name of d	ata base and, where practicable, search	erms used)
Biechonic data b	ase consuited during the international section (wanter of a		
C DOCUMEN	ITS CONSIDERED TO BE RELEVANT		
	Citation of document, with indication, where ap		Relevant to claim No.
Category*			
Y	Microfilm of the specification annexed to the request of Jap		1-9
	Model Application No. 159657/	1977 (Laid-open	·
	No. 85404/1979)		
	(Hitachi Metals, Ltd.), 16 June, 1979 (16.06.79),		
	Full text	•	
	(Family: none)	•	
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Y	JP 2001-224158 A (Tsuinbado : Kaisha),	Rogyo Rabusiiiki	1-9
	17 August, 2001 (17.08.01),		
	Fig. 2		
:	(Family: none)		
× Further do	equipments are listed in the continuation of Box C	See patent family annex.	
	ocuments are listed in the continuation of Box C.		sternational filing date or priority
"A" document defining the general state of the art which is not considered date and not in conflict with		date and not in conflict with the appl	ication but cited to understand
to be of particular relevance "E" earlier application or patent but published on or after the international "		the principle or theory underlying the "X" document of particular relevance; the	
filing date		considered novel or cannot be con step when the document is taken alo	sidered to involve an inventive
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other		"Y" document of particular relevance; the	
special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means		considered to involve an inventive combined with one or more other su	e step, when the document is
"P" document published prior to the international filing date but later than		being obvious to a person skilled in	the art
the priority	date claimed	"&" document member of the same pater	it ramily
Date of the actua	al completion of the international search	Date of mailing of the international se	arch report
	ober, 2004 (29.10.04)	16 November, 2004	
Name and mailin	ng address of the ISA/	Authorized officer	
Japane	se Patent Office		
Facsimile No.	· · · · · · · · · · · · · · · · · · ·	Telephone No.	
Form PCT/ISA/2	10 (second sheet) (January 2004)	_	

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/011048

C (Continuation)). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 1-48645 B2 (Jidosha Kiki Co., Ltd.), 20 October, 1989 (20.10.89), Column 2, line 2 to column 3, line 13; Fig. 1 (Family: none)	1-9
Y	JP 2001-16892 A (Matsushita Electric Works, Ltd.), 19 January, 2001 (19.01.01), Par. Nos. [0007] to [0012] & EP 1063760 A2 & US 6351089 B1	5-6,8-9
Y	JP 61-37466 B2 (Inoue Japax Research Inc.), 23 August, 1986 (23.08.86), Column 3, line 12 to column 4, line 16 (Family: none)	5-6,8
Υ .	JP 2529552 B2 (Kabushiki Kaisha Nagano Keiki Seisakusho), 14 June, 1996 (14.06.96), Column 5, line 32 to column 6, line 33 (Family: none)	7-8
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